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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,982	03/28/2005	Akira Kakizuka	2005_0199A 1176	
513 7590 02/05/2008 WENDEROTH, LIND & PONACK, L.L.P.			EXAMINER	
2033 K STREET N. W.			SINGH, ANOOP KUMAR	
SUITE 800 WASHINGTON, DC 20006-1021		ART UNIT .	PAPER NUMBER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)			
	10/523,982	KAKIZUKA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Anoop Singh	1632			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period varieties to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from 1, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status	•				
1) Responsive to communication(s) filed on 11/1/2007.					
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.				
·	-				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 4-9 is/are pending in the application. 4a) Of the above claim(s) 4 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 4-9 are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119		·			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal C 6) Other:	Date			

10/523,982 Art Unit: 1632

DETAILED ACTION

Applicant's response and amendment to the claims filed November 1, 2007 has been received and entered. Applicants have canceled claim 1-3, while claims 4-9 have been added.

Applicant's election of claims 1-3 (group I) drawn to a method of screening a substance which serves as the active ingredient in a drug for obesity and/or diabetes, which comprises treating cells or an animal with a candidate substance and specifying the candidate substance fulfilling one or more of the following requirements as the target active ingredient substance: (a) increasing the expression level of a ligand factor ERRL1 for a nuclear receptor ERR; (b) increasing the transcriptional activity of the nuclear receptor ERR; (c) promoting the binding of ERRL1 to ERR; and (d) increasing the expression level of an MCAD gene and a transgenic mouse was acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Election was made without traverse in the reply filed on 6/20/2006.

It is noted that, in response to office action dated 5/02/2007, applicants have added new claims 4-9 to include limitations for cultured cells from different source such as established human or non human cell line; from tissue of a human or non human animal body subsequently limiting to cells that are obtained from the group consisting of (i) adipocyte cell, (2)yeast cell; (3) bacterial cell; (4) cells transfected with ERRL1 cDNA and/or ERR cDNA and isolated animal cell such as BAT, heart, skeletal muscle or kidney in which ERRL1 is highly expressed that were not previously presented. Accordingly, a new election of species is required in view of newly added limitation in the claims.

Claims 4.9 are under consideration.

Election/Restrictions

This application contains claims directed to more than one species of the 1. generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows: cells obtained from established human or nonhuman cell line; from tissue of a human or non-human animal body.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner: claims 5 and 8, and claims dependent therefrom correspond to all the species listed above.

The following claims are generic: 4 and 7:

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: since each of cell line derived from established line would have different growth and phenotypic

10/523,982 Art Unit: 1632

characteristics as compared to cells obtained form tissue of human or non human animal body and therefore it would not share a common structure feature in common with respect to their action. Thus, requirement of unity of invention is not fulfilled.

2. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1The species are as follows: Cells selected from the group consisting of: (1) adipocyte cells, (2) yeast cells; (3) bacterial cells; (4) cells transfected with ERRL1 cDNA and/or ERR cDNA; and (5) isolated animal cells, such as BAT, heart, skeletal muscle, or kidney.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner: claims 6 and 9, and claims dependent therefrom correspond to all the species listed above.

The following claims are generic: 4-5 and 7-8.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or

10/523,982 Art Unit: 1632

corresponding special technical features for the following reasons: since cell derived from mammalian, yeast, bacterial or other source would have different binding and other biological property. Additionally, each of these cells has distinct structure function and therefore would not share a common structure feature in common with respect to their action. Thus, requirement of unity of invention is not fulfilled.

3. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1The species are as follows: animal cells, such as BAT, heart, skeletal muscle, or kidney.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner: claims 6 and 9, and claims dependent therefrom correspond to all the species listed above.

The following claims are generic: 4-5 and 7-8.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: since animal cell

10/523,982 Art Unit: 1632

derived from different organ would have distinct and different growth characteristics, binding and other biological property. Additionally, each of these cells derived from different organ of the animal would have distinct structure and function and therefore these cells would not share a common structure feature in common with respect to their action. Thus, requirement of unity of invention is not fulfilled.

There is an examination and search burden for these patentably distinct species due to their mutually exclusive characteristics. The species require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and the prior art applicable to one species would not likely be applicable to another species; and/or the species are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that the reply to this requirement to be complete <u>must</u> include (i) an election of a species to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election of the species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species.

10/523,982 Art Unit: 1632

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anoop Singh whose telephone number is (571) 272-3306. The examiner can normally be reached on 9:00AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Paras can be reached on (571) 272·4517. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anoop Singh AU 1632

/Thaian N. Ton/ Primary Examiner Art Unit 1632